

WHAT IS CLAIMED IS:

1. A method of managing a radio bearer in a mobile communication system, comprising:

receiving a packet service interruption request from a mobile station; and

releasing a radio bearer assigned between the mobile station and a UTRAN

while maintaining a Packet Data Protocol Context message in the mobile station.

2. A method of managing a radio bearer in a mobile communication system, comprising:

(a) transmitting from a mobile station a Preserve PDP Context Request message corresponding to a service interruption session;

(b) releasing a radio bearer assigned to the mobile station; and

(c) transmitting a Preserve PDP Context Accept message to the mobile station.

3. The method of claim 2, further comprising:

requesting the release of the radio bearer corresponding to the service interruption session after step (a).

4. The method of claim 2, further comprising:

transmitting a Response message for the radio bearer release result after step

(c).

5. The method of claim 2, wherein the Preserve PDP Context Request message includes a Protocol discriminator, a Transaction ID, a Preserve PDP Context Request message ID, a Session Management (SM) cause value, and a Tear Down indicator.

6. The method of claim 5, wherein the Protocol discriminator, Transaction ID, the reserve PDP Context Request message ID, and SM cause value are mandatory elements M, and the Tear Down indicator is an optional element O.

7. The method of claim 5, wherein respective formats of the Protocol discriminator, Transaction ID, Preserve PDP Context Request message ID, SM cause value include only Value and a format of the Tear Down indicator includes Type and Value.

8. The method of claim 5, wherein the SM cause value is a cause value for a temporary service interruption.

9. The method of claim 5, wherein the SM cause value is used of User Inactivity value.

10. The method of claim 2, wherein the Preserve PDP Context Accept message includes a Protocol discriminator, a Transaction ID, and a Preserve PDP Context Accept message ID.

11. The method of claim 10, wherein the Protocol discriminator, Transaction ID, and Preserve PDP Context Accept message ID are mandatory elements, of which respective formats have only Value.

12. The method of claim 2, wherein the Preserve PDP Context Request and the Preserve PDP Context Accept messages follow a form used in a Session Protocol of 3GPP.

13. The method of claim 2, wherein the Preserve PDP Context Request and the Preserve PDP Context Accept messages are managed in the MS.

14. A system for managing a radio bearer in a mobile communications system, comprising:

a receiver which receives a packet service interruption request from a mobile station; and

a controller which releases a radio bearer assigned to the mobile station while a packet data protocol context message is maintained in the mobile station.

15. A system for managing a radio bearer in a mobile communications system, comprising:

a receiver which receives from a mobile station a Preserve PDP Context Request message corresponding to a service interruption session; and

a controller which releases a radio bearer assigned to the mobile station and transmits a Preserve PDP Context Accept message to the mobile station.

16. The system of claim 15, wherein the Preserve PDP Context Request message includes a Protocol discriminator, a Transaction ID, a Preserve PDP Context Request message ID, a Session Management cause value, and a Tear Down indicator.

17. The system of claim 16, wherein the Protocol discriminator, Transaction ID, Preserve PDP Context Request message ID, and Session Management cause value are mandatory elements and the Tear Down is an optional element O.

18. The system of claim 16, wherein respective formats of the Protocol discriminator, Transaction ID, Preserve PDP Context Request message ID, Session Management cause value include Value and a format of the Tear Down indicator includes Type and Value.

19. The system of claim 16, wherein the Session Management cause value is a cause value for a temporary service interruption.

20. The system of claim 16, wherein the Session Management cause value is used as a User Inactivity value.

21. A method for managing a radio bearer in a mobile communications system, comprising:

receiving a request for a PDP Context Preservation function from a mobile station; and

performing the PDP Context Preservation function in response to said request.

22. A system for managing a radio bearer in a mobile communications system, comprising:

a receiver which receives a request for a PDP Context Preservation function from a mobile station; and

a controller which performs the PDP Context Preservation function in response to said request.